

# **TEXAS AIR QUALITY PERMITTING RULES**

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**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**

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# OVERVIEW

- WHY
- HOW
- EASIEST AND QUICKEST

# WHY

- ALL STATIONARY SOURCES NEED AUTHORIZATION
- TEXAS CLEAN AIR ACT 1971
- CHAPTER 382 HEALTH & SAFETY CODE
- 30 TAC CHAPTER 116

# HOW

- NEW SOURCE REVIEW PERMIT
- STANDARD PERMIT
- PERMIT BY RULE
- DE MINIMIS SOURCE LIST

# **NSR PERMIT**

- CASE-BY-CASE REVIEW
- PUBLIC NOTICE
- DETAILED BACT REVIEW
- IMPACTS REVIEW
- 6 MONTHS TO 1 YEAR

# **PERMIT BY RULE**

- REGISTRATION - SOME
- NO PUBLIC NOTICE
- FEE - \$450
- NO PBR FOR DG

# DE MINIMUS LIST

- 30 TAC CHAPTER 116.119
- NO REGISTRATION
- NO FEE
- MUST BE DE MINIMIS
- FUEL CELLS (PROPOSED)

# STANDARD PERMIT

## NEED

- ALL STATIONARY SOURCES  
NEED PERMITS
- STREAMLINED PERMITTING
  - REGISTRATION
  - FEE
  - 30 OR 45 DAY REVIEW

# CONCEPT

## EASY PERMITTING

- FAST & SIMPLE REGISTRATION
- ENCOURAGE EFFICIENCY
- STRICT NO<sub>x</sub> STANDARDS
- OUTPUT BASED STANDARDS

# SPECIFICS

## APPLICABILITY

- ALL NEW & MODIFIED ELECTRIC GENERATING UNITS
- CANNOT TRIGGER PSD OR NA
- FOR OWN USE OR TO SELL
- PBR CAN NOT BE USED
  - SOME EXCEPTIONS

# **SPECIFICS**

## **ADMINISTRATIVE**

- **FORM PI-1S REGISTRATION**
- **FEE BASED ON**
  - **SIZE**
  - **EMISSIONS**
- **RECORD KEEPING**
- **DEFINITIONS**

# **SPECIFICS**

## **GENERAL**

- **EMISSIONS CERTIFICATION**
- **SIMPLE CHP CREDIT**
- **ENCOURAGE**
  - **LANDFILL GAS**
  - **DIGESTER GAS**
  - **OIL FIELD GAS**

# **SPECIFIC**

## **GENERAL (CONTINUED)**

- **EMISSIONS RE-CERTIFICATION**
- **FUEL SPECIFICATIONS**
- **OUTPUT BASED STANDARDS FOR NO<sub>x</sub>**

# **SPECIFICS**

## **NO<sub>x</sub> STANDARDS**

- **EAST TEXAS**
  - HOURS OF OPERATION AND
  - DATE OF INSTALLATION
  - VERY STRICT – NONATTAINMENT
- **WEST TEXAS**
  - HOURS OF OPERATION

# SPECIFICS

## NO<sub>x</sub> STANDARDS (CONTINUED)

- **EAST TEXAS  $\leq 10$  MW**
  - **INSTALLED PRIOR TO 01/01/05**
    - >300 HRS/YR – 0.47 lb/MWh
    - $\leq 300$  HRS/YR – 1.65 lb/MWh
  - **INSTALLED 01/01/05 OR AFTER**
    - >300 HRS/YR – 0.14 lb/MWh
    - $\leq 300$  HRS/YR – 0.47 lb/MWh

# SPECIFICS

## NO<sub>x</sub> STANDARDS (CONTINUED)

- **WEST TEXAS  $\leq 10$  MW**
  - >300 HRS/YR – 3.11 lb/MWh
  - $\leq 300$  HRS/YR – 21.0 lb/MWh
- **EAST OR WEST  $> 10$  MW**
  - >300 HRS/YR – 0.14 lb/MWh
  - $\leq 300$  HRS/YR – 0.38 lb/MWh

# **SUMMARY**

- **ENCOURAGE DG**
- **EXPEDITE PERMITTING**
- **PROTECT NONATTAINMENT AREAS**
- **OUTPUT BASED STANDARDS**

# MORE INFORMATION?

## TCEQ WEBSITE

<http://www.tceq.state.tx.us>

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